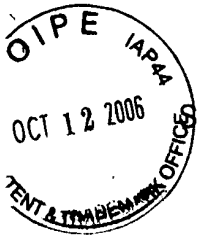


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



APPLICANTS : CHISHOLM *et al.*

CONFIRMATION No.: 7275

SERIAL NUMBER : 10/518,920

EXAMINER: Louis M. Arana

FILING DATE : August 29, 2005

ART UNIT: 2859

FOR : IMPROVEMENTS FOR NUCLEAR QUADRUPOLE RESONANCE MEASUREMENTS

RESPONSE TO NON-FINAL OFFICE ACTION

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Non-Final Office Action mailed **April 12, 2006**, please amend the above- identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims begin on page 3 of this paper.

Amendments to the Drawings begin on page 12 of this paper.

Remarks/Arguments begin on page 13 of this paper.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned for under 37 C.F.R. § 1.136(a), and any fees required therefore (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 50-2613 (Ref. No. 541026-0000001).